

PH-E100P Asterisk PBX compatible card

PhonicEQ PH-E100P **'RAVEN'** offers unprecedented density and value in the telephony arena. Terminating one E1/PRI interface in a single PCI form-factor device, the PH-E100P harnesses the benefits of standard PC hardware and the open source Linux operating system.

PhonicEQ PH-E100P **'RAVEN'** supports industry-standard telephony and data protocols, including both the CAS, Robbed Bit Signaling and Primary Rate ISDN (NT1, EuroISDN, etc) protocol families for voice, as well as PPP, Cisco HDLC, and Frame Relay data modes. The board is fully supported by the Asterisk Open Source PBX and can drive both line-side and trunk-side interfaces, including supporting advanced call features. In addition to conventional telephony, Asterisk extends the strengths of the PH-E100P to provide Voice over IP and ultra low-latency TDM over Ethernet for greater efficiency and flexibility.

Target Applications:

- Packet voice gateways and switches
- Calling card services
- One number services
- Messaging services
- Conferencing
- Customized and web telephony
- Voice/data integration
- Future-proof PBX
- ISDN Remote Access Server



PRI/PRA Switch Compatibility:

- National (NI1)
- EuroISDN (30B+D)
- Network or CPE

RBS Voice Modes:

- A-law, Mu-law, and linear modes supported
- CAS
- R2 CAS
- E&M
- E&M Wink
- Feature Group D
- Groundstart (FXO and FXS)
- Loopstart (FXO and FXS) with optional disconnect supervision

Data modes:

- SyncPPP (both Fixed and Dialup)
- Frame Relay
- Cisco HDLC

Services and features:

- Caller*ID Transmission/Reception
- Pseudo-TDM Conferencing with Zaptel channels
- Digital gain control (transmit and receive)
- Dynamic Span Interaction (TDM over Ethernet)
- Echo canceller (software)
- ISDN RAS capability
- Local and remote loop backs
- Pseudo-TDM bus architecture keeps latency low
- Supports voice and data on the same span
- Tone internationalization (a.k.a. Tone Zones)

Environment Conditions:

- Operating Range: 0 to 50° C, 32 to 122° F
- Storage Range: - 20 to 65° C, 4 to 149° F
- Humidity: 10-90% non-condensing

Hardware and Software Requirements:

- 2.4 GHz Pentium IV or better with at least 256 MB of RAM
- Available one 3.3V or 5.0V PCI slot
- Linux 2.4/2.6 kernel